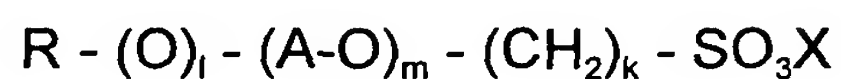


Patent claims

1. An antifreeze concentrate comprising

a) from 0.05 to 10% by weight of one or more sulfonated or sulfated polyglycols of the formula



in which

A is C₂- to C₄-alkylene,

R is H, C₁- to C₁₀-alkyl, C₂- to C₂₀-alkenyl or C₆- to C₁₈-aryl,

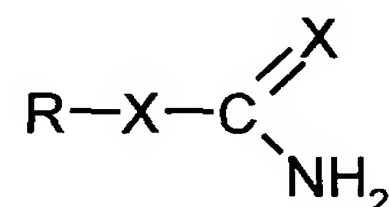
X is H, an alkali metal or alkaline earth metal,

k is a number from 0 to 10,

l is 0 or 1,

m is a number from 1 to 200,

b) from 0.05 to 5% by weight of one or more carbamates of the formula



in which

X is O or S,

R is C₁- to C₈-alkyl or C₆- to C₁₈-aryl,

or a corresponding ammonium salt,

c) from 0.05 to 5% by weight of an aliphatic or aromatic amine,

d) from 0.01 to 1% by weight of a hydrocarbon-triazole,

e) alkylene glycols to 100% by weight.

2. The antifreeze concentrate as claimed in claim 1, wherein m is a number from 1 to 50.
3. The antifreeze concentrate as claimed in claim 1 and/or 2, wherein m is a number from 2 to 40.
4. The antifreeze concentrate as claimed in one or more of claims 1 to 3, wherein the amine of component c) comprises from 1 to 20 carbon atoms.
5. The antifreeze concentrate as claimed in one or more of claims 1 to 4, wherein from 0.05 to 2% by weight of alkali metal silicates are present.
6. The antifreeze concentrate as claimed in one or more of claims 1 to 5, wherein up to 1% by weight of alkali metal phosphates, phosphonates, borates, nitrites, nitrates, fluorides or molybdates or ammonium molybdates are present.
7. The antifreeze concentrate as claimed in one or more of claims 1 to 6, wherein from 0.05 to 5% by weight of a mixture of C₄- to C₁₆-mono- and dicarboxylic acids are present, said acids being present in the form of the alkali metal or ammonium salt.
8. The antifreeze concentrate as claimed in one or more of claims 1 to 7, wherein the pH is from 5 to 12.
9. An antifreeze comprising from 90 to 10% by weight of a concentrate as claimed in one or more of claims 1 to 8 and water to 100% by weight.